

**Space Science Seminar
(Note Date and Room Change)
FRIDAY, 2015 April 3
10:30 a.m.
NSSTC/4078**

First Sound: The Race to Detect Gravitational Waves

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Host: Dr. Jonathan Cirtain

It is almost certain that the first direct detection of gravitational waves will occur this decade. Less certain is who will get there first - a large team searching with ground based laser interferometers, or a much smaller team searching with milli-second radio Pulsars. As a member of both teams I'm hedging my bets. I'll describe the various approaches being used to detect gravitational waves, and give a status update on the different projects. Looking ahead to the first detections, I'll describe some of the science questions we hope to answer as we open this new window on the Universe.

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